

HEPATITIS B VIRUS (HBV) QUANTITATIVE PCR

Synonym(s): HBV DNA LOAD[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

Lab Section Category	Molecular Diagnostics - Microbiology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	For detection and quantitative measurement of hepatitis B viral DNA in serum or plasma. For prognostication, guiding treatment decisions and monitoring response to treatment.
Specimen Required	3 – 5 mL blood in sterile EDTA container or serum separation tube. Alternatively, at least 1.5 mL plasma or serum (separated within 1 day of collection by centrifugation at 800-1600 X g for 20 minutes at room temperature) in a sterile screw-capped polypropylene tube.
Storage and Transport	Refrigerate sample until transfer to laboratory. Do not freeze (except plasma or serum) . Send sample at 2 - 8°C (with an ice-pack). Sample should reach the laboratory as soon as possible, preferably within 24 hours after collection. Plasma may be stored at 2 - 8°C for up to 2 days or frozen at -70°C before despatch to the laboratory.
Method	Real-Time PCR (Roche COBAS Ampliprep/TaqMan) version 2.0
Test Result	Detected or Not Detected (quantity reported in copies/mL and/or IU/mL) Linear Range: 20 to 1.7 X 10 ⁸ IU/mL (116 to 9.89 X10 ⁸ copies/mL) Lowest detection limit : 9 IU/mL
Turnaround Time	1 - 5 days
Day(s) Test Set up	Monday and Thursday

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